

## EAST Search History

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S14<br>6 | 3    | "10221618".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:10 |
| S14<br>7 | 3426 | 347/229-231,234-235,241-244,<br>248-250,256-261.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:11 |
| S14<br>8 | 246  | (scan\$4 near2 period) near3<br>adjust\$4             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:37 |
| S14<br>9 | 676  | (scan\$4 adj line) near3 (tilt<br>inclination)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:12 |
| S15<br>0 | 109  | S149 near3 adjust\$4                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:12 |
| S15<br>1 | 7    | S147 and S148   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:13 |
| S15<br>2 | 92   | S147 and S149   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:24 |
| S15<br>3 | 28   | S147 and S150   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:13 |
| S15<br>4 | 3    | ("4310757"   "5302973"  <br>"5933182").PN.            | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 11:17 |

## EAST Search History

|          |        |   |   |    |    |                  |
|----------|--------|---|---|----|----|------------------|
| S15<br>5 | 21     | ("5302973").URPN.   | USPAT   | OR | ON | 2006/07/18 11:19 |
| S15<br>6 | 4      | ("4660059"   "4833503"  <br>"5302973"   "5412409").PN.                            | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 11:22 |
| S15<br>7 | 8      | ("5821971").URPN.   | USPAT   | OR | ON | 2006/07/18 11:22 |
| S15<br>8 | 3      | ("6055005").URPN.   | USPAT   | OR | ON | 2006/07/18 11:23 |
| S15<br>9 | 6      | ("4750045"   "5315112"  <br>"5315321"   "5498869"   "5674656"<br>  "5821971").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 11:23 |
| S16<br>0 | 29871  | (scan\$4 near2 period)<br>(magnification near2 (deviation<br>error))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:37 |
| S16<br>1 | 30290  | S97 S160  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:37 |
| S16<br>2 | 258798 | (deflection adj mirror) S96 reflector<br>(fold\$3 adj mirror)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:38 |
| S16<br>3 | 100    | S161 same S162 same rotat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:38 |
| S16<br>4 | 1      | "10/663782"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 13:43 |
| S16<br>5 | 1      | S164 and second   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 13:55 |

## EAST Search History

|          |   |  |   |    |    |                  |
|----------|---|--|---|----|----|------------------|
| S16<br>6 | 1 | S164 and (lens with (optical axis))                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 13:55 |
| S16<br>7 | 1 | S164 and (lens with axis)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 13:58 |
| S16<br>8 | 1 | S164 and (lens with rotat\$3)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 14:12 |
| S16<br>9 | 1 | "6353455".pn. and (scanning with<br>distance with (period tim\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 14:12 |

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| S92   | 1     | "10/663782"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 07:57 |
| S93   | 0     | S92 and (optical near6 (sub auxiliary) near3 inclination) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 07:59 |
| S94   | 1     | S92 and (mirror with main actuator)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 08:22 |
| S95   | 1     | S92 and (optical with (sub auxiliary) with inclination)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 07:59 |
| S96   | 38787 | reflecting adj mirror                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 08:14 |
| S97   | 473   | uniform\$3 near4 (scan\$4 adj (velocity speed))           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 08:27 |
| S98   | 13    | S96 same S97  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 08:21 |
| S99   | 0     | S98 and actuator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/18 08:15 |

## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S10<br>0 | 300  | S96 with actuator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:20 |
| S10<br>1 | 380  | S96 with height  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:20 |
| S10<br>2 | 10   | S100 and S101  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:21 |
| S10<br>3 | 0    | S100 and S97   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:21 |
| S10<br>4 | 3114 | S96 with rotat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:21 |
| S10<br>5 | 1    | S104 and actuator and S97                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:22 |
| S10<br>6 | 184  | mirror with main with actuator                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:23 |
| S10<br>7 | 1475 | (adjust\$4 uniform\$3) near4 (scan\$4<br>adj (velocity speed)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:51 |

## EAST Search History

|      |     |  |   |    |    |                  |
|------|-----|--|---|----|----|------------------|
| S108 | 236 | mirror same S107   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:28 |
| S109 | 129 | (mirror (half adj mirror)) with S107   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:24 |
| S110 | 0   | ((half adj mirror)) with S107  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:55 |
| S111 | 8   | ((half adj mirror)) and S109   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:31 |
| S112 | 0   | "6493010".pn. and actuator   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:33 |
| S113 | 9   | ("4937664"   "5175570"  <br>"5291223"   "5302973"   "5315321"<br>  "5359434"   "5381167"  <br>"5634171"   "5963240").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 08:31 |
| S114 | 3   | S113 and actuator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:38 |
| S115 | 10  | ("5212501" "11153765" "10221618"<br>"4847642").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:39 |

## EAST Search History

|          |        |   |   |    |    |                  |
|----------|--------|---|---|----|----|------------------|
| S11<br>6 | 329    | (time near3 (detect\$3 sens\$3)) with<br>(scan\$4 adj (velocity speed))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:44 |
| S11<br>7 | 255953 | S96 reflector (fold\$3 adj mirror)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:38 |
| S11<br>8 | 2      | S116 same S117  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:52 |
| S11<br>9 | 44     | S116 and S117   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:54 |
| S12<br>0 | 285    | S116 not S119   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:54 |
| S12<br>1 | 12     | ( (half adj mirror)) and S120   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 08:55 |
| S12<br>2 | 12     | ("20040125199"   "4872065"  <br>"5138623"   "5237579"   "5258780"<br>"5283681"   "5784091"  <br>"5946334"   "6118798"   "6366336"<br>"6476955"   "6498617").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 08:57 |
| S12<br>3 | 13     | (time near3 (detect\$3 sens\$3)) with<br>S107   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:10 |

## EAST Search History

|          |    |  |   |    |    |                  |
|----------|----|--|---|----|----|------------------|
| S12<br>4 | 42 | S107 same S117   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:14 |
| S12<br>5 | 0  | "6493010" .pn. and inclination   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:11 |
| S12<br>6 | 9  | ("4937664"   "5175570"  <br>"5291223"   "5302973"   "5315321"<br>  "5359434"   "5381167"  <br>"5634171"   "5963240").PN.         | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 09:11 |
| S12<br>7 | 9  | ("4937664"   "5175570"  <br>"5291223"   "5302973"   "5315321"<br>  "5359434"   "5381167"  <br>"5634171"   "5963240").PN.         | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 09:12 |
| S12<br>8 | 20 | ("5963240").URPN.  | USPAT   | OR | ON | 2006/07/18 09:12 |
| S12<br>9 | 1  | "6888654".pn. and (speed<br>inclination )  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:14 |
| S13<br>0 | 4  | ("6493010").URPN.  | USPAT   | OR | ON | 2006/07/18 09:16 |
| S13<br>1 | 9  | ("20040047016"   "20040047389"  <br>"4578688"   "5321483"   "5719684"<br>  "5799229"   "5878317"  <br>"5946529"   "6052211").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 09:27 |
| S13<br>2 | 0  | ("6864906").URPN.  | USPAT   | OR | ON | 2006/07/18 09:28 |
| S13<br>3 | 0  | ("6353455").URPN.  | USPAT   | OR | ON | 2006/07/18 09:33 |
| S13<br>4 | 5  | ("5175570"   "5291223"  <br>"5371361"   "5691535"  <br>"5760944").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 09:34 |
| S13<br>5 | 0  | ("6275249").URPN.  | USPAT   | OR | ON | 2006/07/18 09:34 |
| S13<br>6 | 5  | ("4978849"   "5043744"  <br>"5371361"   "5436645"  <br>"5781325").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 09:34 |
| S13<br>7 | 4  | ("6268876").URPN.  | USPAT   | OR | ON | 2006/07/18 09:35 |



## EAST Search History

|          |   |   |   |    |    |                  |
|----------|---|---|---|----|----|------------------|
| S13<br>8 | 8 | ("20010035493"   "20020001118"   "20020039132"   "20020060829"   "20020100869"   "5451778"   "6268876"   "6400391").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/07/18 09:35 |
| S13<br>9 | 0 | (main adj scan\$4 adj (velocity speed)) and ("6353455" "6275249").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:45 |
| S14<br>0 | 2 | main and (scan\$4 adj (velocity speed)) and ("6353455" "6275249").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 09:51 |
| S14<br>1 | 2 | (tilt inclination adjust\$4) and ("6353455" "6275249").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 10:17 |
| S14<br>2 | 1 | (tilt inclination adjust\$4 speed ) and "6815663".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 10:20 |
| S14<br>3 | 3 | (tilt inclination adjust\$4 speed ) and "6493010".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 10:35 |
| S14<br>4 | 4 | (tilt inclination adjust\$4 speed ) and "5963240".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 10:49 |
| S14<br>5 | 1 | (tilt inclination adjust\$4 speed ) and "6426767".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/18 11:06 |